PONY

Model Exams

Math

February & March

Grade 4

Term 2

Exam 1

1 Choose the correct answer:

1. If $42 \div 7 = 6$, then $4{,}200 \div 7 =$ ..... .
(6 or 60 or 600 or 6,000)

2. $3\frac{2}{5}$ (As an improper fraction) = ...
($\frac{32}{5}$ or $\frac{35}{5}$ or $\frac{30}{5}$ or $\frac{17}{5}$)

3. $5 - 2\frac{1}{4} =$ ..... .
($7\frac{1}{4}$ or $3\frac{3}{4}$ or $3\frac{1}{4}$ or $2\frac{3}{4}$)

4. If $45 \div 5 = 9$, then the remainder is ..... .
(45 or 5 or 9 or 0)

5. $\frac{3}{4}$ ◯ $\frac{3}{7}$
(< or = or > or ≷)

6. The numerator is third the denominator in ..... .
($\frac{3}{1}$ or $\frac{2}{6}$ or $\frac{3}{4}$ or $\frac{3}{6}$)

7. ..... $= \frac{2}{4} + \frac{2}{4} + \frac{2}{4}$
($\frac{12}{6}$ or $\frac{1}{2}$ or $\frac{2}{12}$ or $\frac{6}{4}$)

8. If $24 \div 6 = 4$, then the dividend is ..... .
(4 or 6 or 24 or 0)

9. Three-eighths = ...
($\frac{3}{8}$ or $\frac{8}{3}$ or $\frac{3}{5}$ or $\frac{5}{3}$)

10. $5\frac{3}{4}$ is called a/an ..... .
(proper fraction or improper fraction or mixed number or whole number)

11. $8 \times 5 + 2 =$ ..... .
(40 + 2 or 5 X 10 or 40 X 2 or 5 + 10)

12. $\frac{14}{9}$ (As a mixed number) = ...
($1\frac{4}{9}$ or $4\frac{1}{9}$ or $1\frac{5}{9}$ or $5\frac{1}{9}$)

13. If $28 \div 3 = 9$ and the remainder is 1, then the divisor is ..... .
(9 or 3 or 28 or 1)

14 The additive identity element is ..... . (0 or 1 or $\frac{1}{2}$ or 2)

15 $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$ = ...

(5 X $\frac{1}{5}$ or 5 X $\frac{4}{5}$ or 4 X $\frac{1}{5}$ or 5 + $\frac{1}{5}$)

2 Complete the following:

1 $\frac{7}{9} = \frac{70}{.....}$

2 $3\frac{5}{5}$ = ...

3 $\frac{4}{5}$ is equivalent to $\frac{.....}{10}$

4 $\frac{9}{7} > \frac{.....}{11}$

5 $\frac{19}{6}$ = ... (As a mixed number)

6 $4\frac{1}{2}$ = ... (As an improper fraction)

7 $4\frac{2}{3} - 1\frac{1}{3}$ = ...

8 450 ÷ 9 = ...

9 $\frac{2}{5}$ X 3 = ...

10 $3 - \frac{3}{4}$ = ...

3 Answer the following:

1 Arrange the following in an ascending order:

$\frac{15}{4}$, 15 , $\frac{15}{5}$, $\frac{15}{8}$, $\frac{15}{6}$

The order : ..... , ... , ... , ... , ...

2 Ahmed had 69 pieces of sweets. He ate 9 of them, and distributed the remainder equally among 6 of his friends. Calculate the share of each of his friends.

.....

.....

3 Fayrouz saved 740 pounds in 5 months. She was saving the same amount every month. Calculate the money she saved in each month.

.....

.....

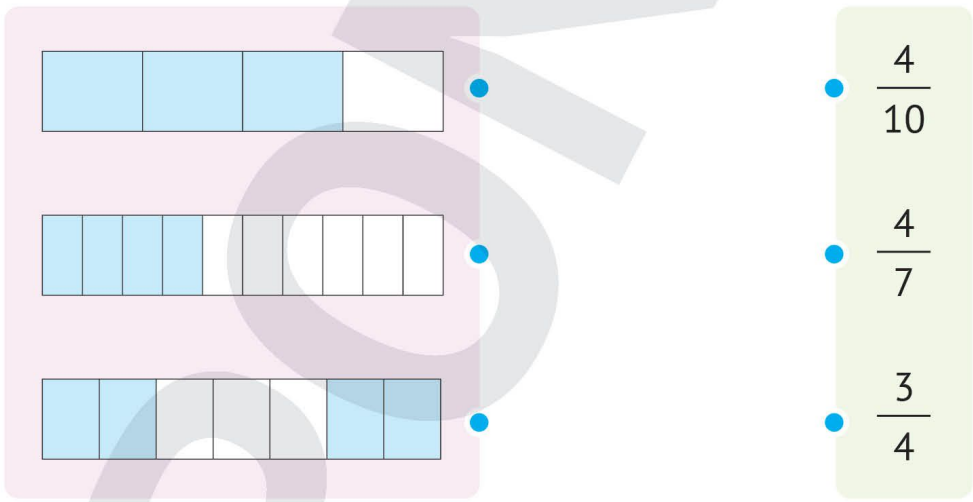
4 Mona had 9 problems in her homework. She finished $\frac{3}{9}$ of her homework before she came home, and $\frac{1}{9}$ after she got home.

What is the fraction representing the remaining part of her homework ?

.....

.....

4 Match:



Exam 2

1 Choose the correct answer:

1. The number that if divided by 9, the quotient will be 11 and the remainder 3 is ..... . (23 or 99 or 102 or 23)

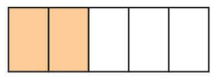
2. In the proper fraction, the numerator is ..... the denominator.
(greater than or smaller than or greater than or equal to or smaller than or equal to)

3. The model representing the fraction $\frac{3}{4}$ is ..... .
( or  or  or )

4. The problem representing the opposite rectangle area model is ..... .

5	500	150	20
	100	30	4

(670 ÷ 5 or 625 ÷ 5 or 134 ÷ 5 or 252 ÷ 5)

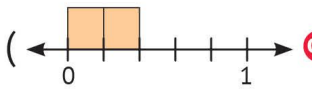
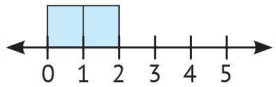
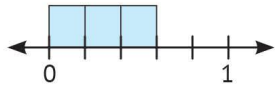
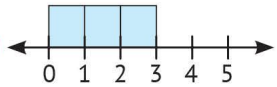
5. The fraction representing the shaded part is ..... . 
($\frac{3}{5}$ or $\frac{2}{5}$ or $\frac{3}{2}$ or $\frac{2}{3}$)

6. $\frac{3}{8} + \frac{3}{8} =$ ..... .
($\frac{6}{10}$ or $\frac{5}{10}$ or $\frac{3}{10}$ or $\frac{6}{8}$)

7. $\frac{3}{5} =$ ..... .
($\frac{9}{15}$ or $\frac{5}{15}$ or $\frac{8}{10}$ or $\frac{2}{3}$)

8. $2\frac{5}{7}$ ○ $2\frac{5}{8}$
(< or = or > or ⩽)

9. If 5x8 = 40 , then 4,000 ÷5 = ... (8,000 or 800 or 80 or 8)

10. The number line representing the fraction $\frac{3}{5}$ is ..... .
( or  or  or )

11 $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} =$ ..... . (2 or 3 or $\frac{12}{16}$ or 12)

12 4 + 3 X 5 = ... (7 x5 or 4 X 15 or 4 + 15 or 7 + 5)

13 The multiplicative identity element is ..... . (0 or 1 or $\frac{1}{2}$ or $\frac{2}{1}$)

14 Six ..... = 1 (halves or fourths or fifths or sixths)

15 ..... X 2 = 1 ($\frac{2}{3}$ or $\frac{3}{2}$ or $\frac{2}{2}$ or $\frac{1}{2}$)

2 Complete the following:

1 121 ÷ 6 = ...

2 $1\frac{5}{7} + 3\frac{2}{7} =$ ..... .

3 The fraction representing point (A) on the following number line is ..... .

4 $\frac{7}{8} =$ ..... + ...

5 $\frac{1}{7} = \frac{11}{.....}$

6 The number of ninths in the whole one is ..... .

7 The closest fraction to $\frac{1}{2}$ (and not more than $\frac{1}{2}$) of ($\frac{5}{8}$ & $\frac{5}{12}$) is ..... .

8 $\frac{3}{8} =$ ..... . (As unit fractions)

9 $\frac{15}{8} =$ ..... . (As a mixed number)

10 $\frac{2}{3}$ is equivalent to ..... and ..... .

3 Answer the following:

1 Arrange the following in an ascending order :

$\frac{9}{11}$, $\frac{7}{1}$, 1 , $\frac{1}{11}$, $\frac{5}{11}$

The order : ..... , ... , ... , ... , ...

2 Moustafa bought 8 apples, and he ate $3\frac{1}{3}$ apples.

What is the fraction representing the remaining part of apples?

.....

.....

3 A factory produced 744 pieces of sweets equally in 3 days. Find the number of pieces that the factory produced in 1 day.

.....

.....

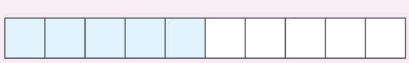
(Use the strategy you prefer)

4 Each of Alaa and Karim has the same cake, Alaa ate $\frac{2}{7}$ of his cake and Karim ate $\frac{5}{7}$ of his cake. Who of them ate more than $\frac{1}{2}$ of his cake?

.....

.....

4 Match:

1	$2\frac{3}{7}$ (As an improper fraction)	$\frac{4}{9}$
2		$\frac{17}{7}$
3	$3+\frac{1}{4}+5+\frac{2}{4}$	$\frac{5}{10}$
4	$\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{1}{9}$	$8\frac{3}{4}$

Exam 3

1 Choose the correct answer:

1. $2\frac{1}{5} + 3\frac{4}{5} =$ ..... . ($5\frac{5}{10}$ or $5\frac{3}{5}$ or 6 or 5)

2. If 28 ÷ 4 = 7 , then 40 X 70 = ...
(28,000 or 2,800 or 280 or 28)

3. The model representing the mixed number $1\frac{3}{4}$ is ..... .
()

4. In the fraction $\frac{4}{2}$, the numerator = ... the denominator.
(half or twice or fourth or third)

5. $\frac{4}{8}$ = ...
($\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}$ or $\frac{1}{2}+\frac{1}{2}+\frac{1}{2}+\frac{1}{2}$ or $\frac{4}{4}+\frac{4}{4}$ or $\frac{2}{4}+\frac{2}{4}$)

6. 6 X 3 + 5 = ... (48 or 45 or 23 or 21)

7. The quotient of 76 ÷ 6 is ..... .
(12 R 4 or 12 or 12 R6 or 14 R 2)

8. $\frac{5}{6}$ = ...
($\frac{1}{5}+\frac{1}{5}+\frac{1}{5}+\frac{1}{5}+\frac{1}{5}$ or $\frac{1}{6}+\frac{2}{6}+\frac{3}{6}+\frac{4}{6}+\frac{5}{6}$
or $\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$ or $\frac{5}{6}+\frac{5}{6}+\frac{5}{6}+\frac{5}{6}+\frac{5}{6}$)

9. Which of the following is a unit fraction? ..... .
($\frac{4}{4}$ or $\frac{1}{7}$ or $\frac{3}{5}$ or $\frac{2}{8}$)

10. The smallest unit fraction of the following is ..... .
($\frac{1}{4}$ or $\frac{1}{3}$ or $\frac{1}{8}$ or $\frac{1}{7}$)

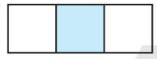
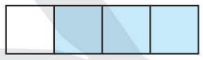
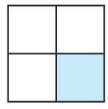
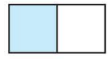
11 $\frac{5}{7} = \frac{1}{7} + \frac{1}{7} +$ ..... . ($\frac{3}{7}$ or $\frac{4}{7}$ or $\frac{2}{7}$ or $\frac{1}{7}$)

12 $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ ..... . (4 or $\frac{3}{4}$ or 1 or $\frac{1}{4}$)

13 The number of unit fractions composing the fraction $\frac{5}{8}$ is ..... .

(2 or 3 or 4 or 5)

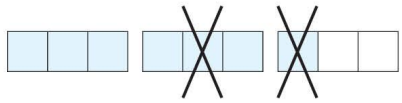
14 The model representing the fraction $\frac{1}{3}$ is ..... .

( or  or  or )

15 $\frac{1}{2} =$ ..... . ($\frac{2}{5}$ or $\frac{3}{4}$ or $\frac{6}{12}$ or $\frac{1}{4}$)

2 Complete the following:

1 The subtraction equation representing the opposite model is ..... .



2 7 X $\frac{1}{6}$ = ...

3 $\frac{32}{5}$ = ... (As a mixed number)

4 The number of unit fractions in $\frac{7}{11}$ is ..... and the unit fraction is ..... .

5 $\frac{12}{\text{.....}} = \frac{\text{.....}}{16} = \frac{3}{8}$

6 $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} =$ ..... .

7 The mixed number representing the opposite model is ..... , and the improper fraction is ..... .

8 $3 + 1 + \frac{7}{9} + \frac{2}{9} =$ ..... $\frac{\text{.....}}{\text{.....}} =$ ..... .

9 $5 - 3\frac{1}{4} =$ ..... .

10 A cake is divided into 6 equal pieces, then the unit fraction of each piece is ..... .

3 Answer the following:

1. Follow the order of operations to find the result:
   $40 \div 8 + 5 \times 10 - 15 \div 3 =$ .....
   .....

2. If $3 \times 4 = 12$, then $1{,}200 \div 3 =$ ..... .

3. ..... + ... + ... + ... + ... $= 5 \times \frac{2}{3}$

4. $\frac{5}{7}$ + ... $= 1\frac{1}{7}$

4 Match each fraction to its equivalent benchmark fraction:

0 $\frac{1}{2}$ 1 $1\frac{1}{2}$ 2

$\frac{24}{12}$ $\frac{10}{6}$ $\frac{3}{3}$ $\frac{2}{4}$ $\frac{15}{10}$ $\frac{16}{16}$ $\frac{0}{7}$ $\frac{20}{10}$ $\frac{6}{4}$

Exam 4

1 Choose the correct answer:

1. $\frac{3}{4}$ = ...

($\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$ or $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$ or $\frac{1}{3}+\frac{1}{3}+\frac{1}{3}+\frac{1}{3}$ or $\frac{1}{4}+\frac{2}{4}+\frac{3}{4}$)

2. $\frac{7}{4}$ is called a/an ..... .

(unit fraction or mixed number or improper fraction or proper fraction)

3. $3\frac{2}{5}$ = ... ($\frac{8}{5}$ or $\frac{17}{5}$ or $\frac{20}{5}$ or $\frac{32}{5}$)

4. $\frac{7}{5}$ = ... ($\frac{1}{7}$ or $\frac{5}{7}$ or $7\frac{1}{7}$ or $1\frac{2}{5}$)

5. $\frac{1}{3}+\frac{1}{3}=1-$ ..... . ($\frac{2}{3}$ or $\frac{4}{3}$ or $\frac{1}{3}$ or $1\frac{2}{3}$)

6. $2-\frac{3}{4}$ = ... ($\frac{4}{3}$ or $1\frac{1}{4}$ or $2\frac{1}{3}$ or $\frac{4}{3}$)

7. $5-3\frac{1}{3}$ = ... ($3\frac{1}{4}$ or $1\frac{2}{3}$ or $2\frac{1}{3}$ or $2\frac{2}{3}$)

8. $7\frac{3}{5}-2\frac{1}{5}$ = ... ($5\frac{4}{5}$ or $\frac{27}{5}$ or $9\frac{2}{5}$ or $3\frac{4}{5}$)

9. $1+\frac{3}{7}+\frac{4}{7}$ = ... (7 or $\frac{8}{14}$ or 2 or $\frac{8}{7}$)

10. $\frac{1}{4}+\frac{5}{8}+4+\frac{3}{8}$ = ... (5 or $4\frac{9}{20}$ or $5\frac{1}{4}$ or $4\frac{5}{8}$)

11. The fraction $\frac{3}{8}$ is closest to ..... . (3 or $\frac{1}{2}$ or 1 or 0)

12. $\frac{19}{3}$ = ... ($1\frac{9}{3}$ or $5\frac{2}{3}$ or $6\frac{1}{3}$ or $3\frac{2}{5}$)

13. If $\frac{a}{8}=\frac{1}{4}$, then (a) = ... ($\frac{1}{4}$ or 2 or 1 or 4)

14. If $\frac{1}{3}<\frac{1}{w}$, then (w) = ... (0 or 4 or $\frac{3}{4}$ or $1\frac{3}{4}$)

15. $\frac{3}{6}+\frac{2}{6}+\frac{1}{6}$ = ... ($1\frac{1}{4}$ or $2\frac{1}{3}$ or $1\frac{1}{6}$ or 1)

2 Complete the following:

1. ..... ÷ 5 = 121
2. $\frac{28}{9}$ = ... $\frac{\text{.....}}{\text{.....}}$
3. The equation representing the opposite rectangle are model is .....

4	400	40	8

4. Write two equations to decompose the fraction $\frac{7}{10}$: (..... and .....).
5. $\frac{15}{9} = \frac{\text{.....}}{3}$
6. $\frac{1}{2} = \frac{2}{\text{.....}} = \frac{5}{\text{.....}} = \frac{\text{.....}}{16}$
7. 1,348 ÷ 5 = ... and the remainder is .....
8. $7\frac{1}{2}$ X ..... = $\frac{15}{2}$
9. The number of unit fractions composing the fraction seven-eighths is ..... .
10. The number that if divided by 7, the quotient is 7 and the remainder 5 is ..... .

3 Answer the following:

1. $\frac{3}{4} + \frac{3}{4} + \frac{3}{4}$ = ...
2. Hoda has 424 pounds. She wants to divide them among 8 persons. What is the share of each of them?

.....

.....

3 The equation representing the opposite model is ..... .

3	900	180	18
	300	60	6

4 Arrange the following fractions in a descending order:

$\frac{3}{4}$, $\frac{3}{2}$, $\frac{3}{8}$, $\frac{3}{5}$

The order : ..... , ... , ... , ...

4 Match:

1	$1\frac{1}{5} + 2\frac{3}{5}$	4
2	8 X 3 ÷ 6	1
3	$\frac{5}{8} + \frac{3}{8}$	$3\frac{4}{5}$

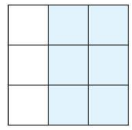
Exam 5

1 Choose the correct answer:

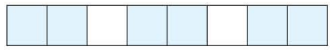
1. $5\frac{3}{8}$ is called a/an ..... .
   (proper fraction or improper fraction or mixed number or unit fraction)
2. $\frac{1}{3}+\frac{1}{3}+\frac{1}{3}=$ ..... . (0 or $\frac{3}{9}$ or 1 or $\frac{1}{3}$)
3. The number of unit fractions composing five-sixths is ..... .
   (2 or 3 or 5 or 6)
4. $\frac{21}{4}=$ ..... . ($5\frac{1}{4}$ or $4\frac{1}{5}$ or $4\frac{1}{4}$ or $5\frac{1}{3}$)
5. $\frac{5}{8}$ ○ 1 (< or = or > or ≥)
6. The equivalent fraction to $\frac{1}{2}$ is ..... . ($\frac{1}{4}$ or $\frac{4}{8}$ or $1\frac{4}{8}$ or $1\frac{5}{8}$)
7. $\frac{12}{18}=\frac{4}{\text{.....}}$ (6 or 5 or 4 or 3)
8. $\frac{4}{8}+\frac{3}{8}+\frac{5}{8}=$ ..... . ($1\frac{8}{3}$ or $\frac{10}{8}$ or $1\frac{4}{8}$ or $1\frac{5}{8}$)
9. Mohamed had a pizza, he ate $\frac{3}{7}$ of it for breakfast. The remaining part of the pizza is ..... . ($\frac{1}{7}$ or 1 or $\frac{4}{7}$ or $\frac{3}{7}$)
10. $\frac{1}{4}=$ ..... . ($\frac{3}{6}$ or $\frac{1}{8}$ or $\frac{2}{8}$ or $\frac{1}{2}$)
11. $95 \div 5=$ ..... . (17 or 18 or 19 or 20)
12. The related fact to solve the problem $2{,}700 \div 9 = 300$ is ..... .
    ($9 \times 2 = 18$ or $27 \div 9 = 3$ or $3 \times 3 = 9$ or $9 \div 3 = 3$)
13. The equivalent fraction to $\frac{3}{5}$ is ..... . ($\frac{4}{9}$ or $\frac{3}{8}$ or $\frac{6}{5}$ or $\frac{6}{10}$)
14. The quotient of $39 \div 3$ is ..... . (3 or 11 or 13 or 39)
15. Marwa bought 9 books for 720 pounds, the price of each book = ...
    (4 or 80 or 6 or 90)

2 Complete the following:

1. The multiplicative identity element $- \frac{2}{5} =$ ..... .
2. $\frac{9}{10} =$ ..... + ... + ...
3. The side length of a square is $3\frac{1}{4}$ cm, then the perimeter of the square is ..... .
4. 6 X 12 ÷ 8 + 5 = ...
5. The fraction representing the opposite model is ..... .



6. If $\frac{1}{6} = \frac{a}{24}$, then (a) = ...
7. 2,070 ÷ 9 = ...
8. $\frac{17}{4} =$ ..... . (As a mixed number)
9. The fraction representing the opposite model is ..... .



10. $\frac{7}{9}$ X ..... $= \frac{49}{63}$

3 Answer the following:

1. The equation representing the opposite figure is ..... .

$$\begin{array}{r} 29 \\ 3\overline{)\,87} \\ -60 \\ \hline 27 \\ -27 \\ \hline 00 \end{array}$$

2. A teacher has 4 boxes of pencils. Each box contains 6 pencils. He wants to distribute them among 3 students. What is the share of each student?

.....

.....

3 Salma drinks $\frac{3}{4}$ of a juice can every day.

What is the amount of juice that she drinks in 8 days?

.....

.....

4 $1 = \frac{5}{\ldots\ldots} = \frac{\ldots\ldots}{7}$

5 There are 56 students in the class. $\frac{1}{7}$ of the students are girls.

What is the number of girls in the class?

.....

.....

4 Put (< , = or >):

1	$\frac{3}{4}$	●	$\frac{3}{7}$
2	$2\frac{5}{8}$	●	$2\frac{5}{7}$
3	$\frac{4}{9} + \frac{5}{9}$	●	1
4	$3 \times \frac{1}{5}$	●	$\frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
5	$270 \div 9$	●	$4{,}500 \div 9$
6	20	●	$5 \times 3 + 4$

Exam 6

1 Choose the correct answer:

1. $90 \div 10 + 9 \div 3 =$ ..... . (18 or 9 or 12 or 6)

2. The number of unit fractions composing three-fourths is ..... .
($\frac{4}{4}$ or 4 or 3 or $\frac{1}{4}$)

3. $1\frac{6}{8}$ ◯ $1\frac{4}{8}$ (< or = or > or ⩾)

4. $16 \div$ ..... $= 4$ (2 or 8 or 4 or 3)

5. $\frac{6}{7}$ X ..... $= \frac{6}{7}$ (0 or 1 or $\frac{1}{2}$ or 7)

6. The number of sixths in the whole one is ..... . (3 or 4 or 6 or 5)

7. The numerator is 3 and the denominator is 5 in the fraction ..... .
($2\frac{1}{5}$ or $1\frac{2}{5}$ or $\frac{3}{5}$ or $\frac{5}{3}$)

8. $\frac{1}{4} + \frac{1}{4} =$ ..... . (1 or $\frac{3}{4}$ or $\frac{1}{2}$ or $\frac{1}{4}$)

9. $4\frac{2}{5} =$ ..... . (As an improper fraction)
($\frac{18}{5}$ or $\frac{22}{5}$ or $\frac{11}{5}$ or $\frac{23}{5}$)

10. $3 +$ ..... $= 3\frac{1}{2}$ (1 or 3 or $\frac{1}{2}$ or 0)

11. $4 \text{ X } \frac{1}{5} =$ ..... . ($1\frac{1}{4}$ or $\frac{4}{5}$ or $\frac{5}{4}$ or $5\frac{1}{4}$)

12. The value of (a) in the equation: $\frac{a}{35} = \frac{2}{7}$ is ..... .
(10 or 5 or 3 or 7)

13. The fraction representing the model  is ..... .
($\frac{1}{4}$ or $\frac{1}{3}$ or $\frac{1}{2}$ or $\frac{4}{1}$)

14. $2\frac{1}{8} =$ ..... . ($\frac{21}{8}$ or $\frac{8}{12}$ or $\frac{17}{8}$ or $\frac{12}{8}$)

2 Complete the following:

1. 58 ÷ 5 = ... and the remainder is ..... .
2. $\frac{3}{4}$ X $\frac{5}{5}$ = ...
3. Mahmoud bought 3 m of wood, he used $\frac{3}{4}$ m to make a chair. Then the remainder of the wood is ..... .
4. $\frac{1}{13} + \frac{1}{13} + \frac{1}{13}$ = ...
5. 26 X 15 = ...
6. $\frac{3}{12} = \frac{1}{.....}$
7. 378,920 – 276,852 = ...
8. 4,078 + 3,502 = ...
9. $\frac{7}{15}$ is closest to the benchmark fraction ..... .
10. $5 - \frac{3}{5}$ = ...

3 Answer the following:

1. Write 3 equivalent fractions to $\frac{1}{5}$: ($\frac{1}{5}$ = ... = ... = ...)
2. If a recipe requires $\frac{3}{4}$ kg of flour,

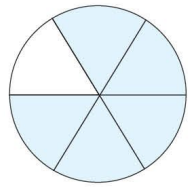
   how much flour is needed to double this recipe?

   Addition equation : .....

   Multiplication equation : .....
3. Write 4 equivalent fractions to $\frac{2}{3}$: ($\frac{2}{3}$ = ... = ... = ... = ...)

4 Draw a bar model to represent ($\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$) : ..... .

5 Write the fraction representing the shaded part in 2 ways.



First way : .....

Second way : .....

4 Put (< , = or >):

1 $2\frac{1}{4}$ ○ $4\frac{1}{2}$

2 $\frac{5}{8}$ ○ $\frac{5}{2}$

3 1 ○ $\frac{5}{9}$

4 3 ○ $\frac{15}{5}$

5 $\frac{5}{5} \times \frac{3}{9}$ ○ $\frac{6}{6} \times \frac{3}{9}$

6 $\frac{4}{7}$ ○ $\frac{3}{5}$

7 $\frac{26}{7}$ ○ $2\frac{6}{7}$

Guide Answers

Exam 1

1

1. 600
2. $\frac{17}{5}$
3. $2\frac{3}{4}$
4. 0
5. >
6. $\frac{2}{6}$
7. $\frac{6}{4}$
8. 24
9. $\frac{3}{8}$
10. mixed number
11. 40 + 2
12. $1\frac{5}{9}$
13. 3
14. 0
15. $4 \times \frac{1}{5}$

2

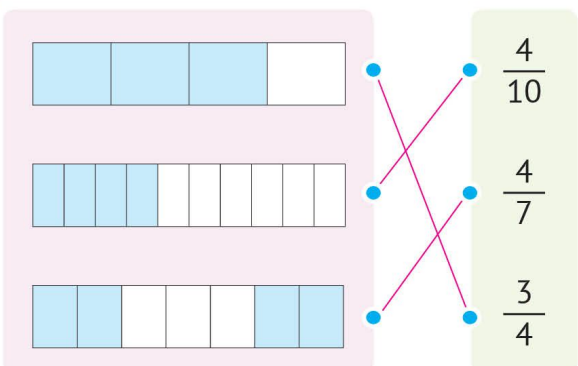
1. $\frac{70}{90}$
2. $\frac{20}{5} = 4$
3. $\frac{8}{10}$
4. 9
5. $3\frac{1}{6}$
6. $\frac{9}{2}$
7. $3\frac{1}{3}$
8. 50
9. $\frac{6}{5}$
10. $2\frac{1}{4}$

3

1. $\frac{15}{8}, \frac{15}{6}, \frac{15}{5}, \frac{15}{4}, 15$
2. $69 - 9 = 60$

   $60 \div 6 = 10$
3. $740 \div 5 = 148$
4. $\frac{5}{9}$

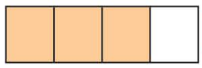
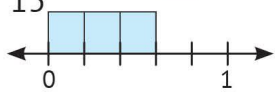
4



$\frac{4}{10}$ $\frac{4}{7}$ $\frac{3}{4}$

Exam 2

1

1. 102
2. smaller than
3. 
4. $670 \div 5$
5. $\frac{2}{5}$
6. $\frac{6}{8}$
7. $\frac{9}{15}$
8. >
9. 800
10. 

11. 3
12. 4 + 15
13. 1
14. sixths
15. $\frac{1}{2}$

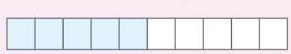
2

1. 20 R 1
2. $4\frac{7}{7} = 5$
3. $\frac{3}{5}$
4. $\frac{2}{8} + \frac{5}{8}$ or $\frac{6}{8} + \frac{1}{8}$ or $\frac{4}{8} + \frac{3}{8}$
5. $\frac{11}{77}$
6. 9
7. $\frac{5}{12}$
8. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
9. $1\frac{7}{8}$
10. $\frac{4}{6}$ and $\frac{6}{9}$

3

1. $\frac{1}{11}, \frac{5}{11}, \frac{7}{11}, \frac{9}{11}, 1$
2. $8 - 3\frac{1}{3} = 4\frac{2}{3}$
3. $744 \div 3 = 248$
4. Karim ate more than Alaa: $\frac{2}{7} < \frac{5}{7}$

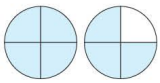
4

1. $2\frac{3}{7}$ (As an improper fraction)
2. 
3. $3 + \frac{1}{4} + 5 + \frac{2}{4}$
4. $\frac{1}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9}$

$\frac{4}{9}$ $\frac{17}{7}$ $\frac{5}{10}$ $8\frac{3}{4}$

Exam 3

1 1 6 2 2,800

3 

4 twice

5 $\frac{1}{8}+\frac{1}{8}+\frac{1}{8}+\frac{1}{8}$

6 23 7 12 R 4

8 $\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}+\frac{1}{6}$

9 $\frac{1}{7}$ 10 $\frac{1}{8}$ 11 $\frac{3}{7}$

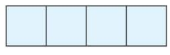
12 1 13 5

14  15 $\frac{6}{12}$

2 1 $2\frac{1}{3}-1\frac{1}{3}=1$

2 $\frac{7}{6}=1\frac{1}{6}$ 3 $6\frac{2}{5}$

4 $7,\frac{1}{11}$ 5 $\frac{12}{32}=\frac{6}{16}$ 6 $\frac{3}{8}$

7 $1\frac{3}{4}$   $,\frac{7}{4}$

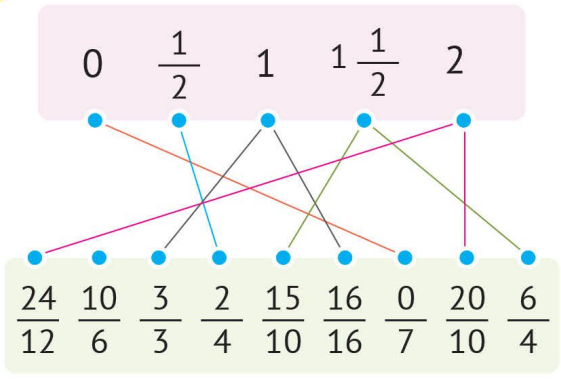
8 $4\frac{9}{9}=5$

9 $4\frac{4}{4}$ $5-3\frac{1}{4}=1\frac{3}{4}$ 10 $\frac{1}{6}$

3 1 50 2 400

3 $\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$ 4 $\frac{3}{7}$

4



Exam 4

1 1 $\frac{1}{4}+\frac{1}{4}+\frac{1}{4}$ 2 improper fraction

3 $\frac{17}{5}$ 4 $1\frac{2}{5}$ 5 $\frac{1}{3}$

6 $1\frac{1}{4}$ 7 $1\frac{2}{3}$ 8 $\frac{27}{5}$

9 2 10 $5\frac{1}{4}$ 11 $\frac{1}{2}$

12 $6\frac{1}{3}$ 13 2 14 2

15 1

2 1 605 2 $3\frac{1}{9}$

3 $448 \div 4 = 112$

4 $\frac{3}{10}+\frac{4}{10}$ and $\frac{4}{10}+\frac{2}{10}+\frac{1}{10}$

5 $\frac{5}{3}$ 6 $\frac{1}{2}=\frac{2}{4}=\frac{5}{10}=\frac{8}{16}$

7 269 R 3 8 1

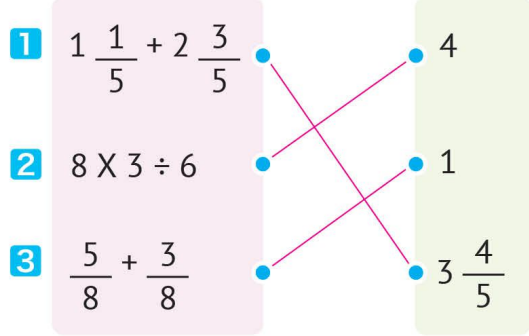
9 7 10 54

3 1 $\frac{9}{4}$ 2 $424 \div 8 = 53$

3 $1.098 \div 3 = 366$

4 $\frac{3}{2},\frac{3}{4},\frac{3}{5},\frac{3}{8}$

4



Exam 5

1

1. mixed number
2. 1
3. 5
4. $5\frac{1}{4}$
5. <
6. $\frac{4}{8}$
7. 6
8. $1\frac{4}{8}$
9. $\frac{4}{7}$
10. $\frac{2}{8}$
11. 19
12. $27 \div 9 = 3$
13. $\frac{6}{10}$
14. 13
15. 80

2

1. $1 - \frac{2}{5} = \frac{3}{5}$
2. $\frac{1}{10} + \frac{3}{10} + \frac{5}{0}$
3. 13
4. 14
5. $\frac{6}{9}$
6. 4
7. 230
8. $4\frac{1}{4}$
9. $\frac{6}{8}$
10. $\frac{7}{7}$

3

1. $87 \div 3 = 29$
2. $4 \times 6 = 24$

   $24 \div 3 = 8$
3. $8 \times \frac{3}{4} = 6$
4. $1 = \frac{5}{5} = \frac{7}{7}$
5. $56 \times \frac{1}{7} = 8$

4

1. >
2. <
3. =
4. =
5. <
6. >

Exam 6

1

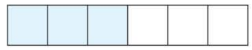
1. 12
2. 3
3. >
4. 4
5. 1
6. 6
7. $\frac{3}{5}$
8. $\frac{1}{2}$
9. $\frac{22}{5}$
10. $\frac{1}{2}$
11. $\frac{4}{5}$
12. 10
13. $\frac{1}{3}$
14. $\frac{17}{8}$

2

1. 11 R 3
2. $\frac{15}{20} + \frac{3}{4}$
3. $3 - \frac{3}{4} = 2\frac{1}{4}$
4. $\frac{3}{13}$
5. 390
6. $\frac{1}{4}$
7. 102,068
8. 7,580
9. $\frac{1}{2}$
10. $4\frac{2}{5}$

3

1. $\frac{4}{20} = \frac{3}{15} = \frac{2}{10} = \frac{1}{5}$
2. $\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$

   $\frac{3}{4} \times 2 = \frac{6}{4}$
3. $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12} = \frac{10}{15}$
4. 
5. First way: $\frac{1}{6} + \frac{2}{6} + \frac{2}{6}$

   Second way: $\frac{3}{6} + \frac{2}{6}$

4

1. <
2. <
3. >
4. =
5. =
6. <
7. >